Shreyas Patil

Fairfax, VA • 5715919504 • shreyas.patil20000@gmail.com • linkedin.com/in/shreyas20 • github.com/shreyaspatil2000 • Portfolio

EDUCATION

George Mason University — Fairfax, VA
Master's in Computer Science, GPA: 3.53 — Aug 2022 – May 2024

University of Mumbai — Mumbai, India
Bachelor's in Computer Engineering, GPA: 3.61 — Aug 2018 – May 2022

SKILLS

Programming Languages: JavaScript(ES6+), TypeScript, Python, Java
Frontend: HTML5, CSS3, React, Next.js, React Native, Angular, Bootstrap, Tailwind, Shadcn UI
Backend/Databases: Node.js, Flask, Express, REST API, MongoDB, MySQL, PostgreSQL
Methodologies: Data Structures, Object-Oriented Programming, SDLC, CI/CD, Agile, Scrum
Tools and Testing: Git, Vitest, Postman, Figma, Vercel, Docker, AWS (EC2, S3, Lambda), Linux

WORK EXPERIENCE

DreamStudio — Fairfax, VA
Frontend Developer — Aug 2024 – Present

- Designed a custom feed player integrating multiple APIs (NASA, Github, SeeClickFix) for videos and images with advanced features including playlist management, volume controls, playback speed controls, and thumbnail generation.
- Optimized responsive, cross-browser informational sites using React, HTML/CSS, SASS, and Vanilla JS, with a **95%** Lighthouse performance score on mobile and desktop.
- Created a reusable React component library (forms, navigation, modals, sliders) deployed across **4** applications, reducing development time by **30**% and ensuring UI consistency.
- Boosted site performance and accessibility by applying technical SEO and best practices, resulting in a **10**% faster load time.
- Collaborated in a **4**-member Agile team to deliver features through weekly sprints, daily stand-ups, and communication, ensuring timely and coordinated releases.

DataAnnotation — Fairfax, VA
AI Data Annotator part-time — Aug 2024 – Present

- Reviewed **300**+ React/Angular code samples for AI model training, focusing on correctness, instruction following, and adherence to UI/UX principles (aesthetic, consistency, efficiency, usefulness, responsiveness).
- Delivered human feedback for AI code generation models across Java, C++, Python, and JavaScript, evaluating **200**+ code samples weekly for correctness, efficiency, and best practices.
- Annotated **5000**+ data samples across multiple formats for machine learning training datasets, maintaining a **99**% accuracy rate based on internal quality audits.

PROJECTS

ChatMate (React, Express, Node.js, Zustand, Tailwind, Shadcn, MongoDB)

- Engineered a real-time chat platform supporting multiple users via Socket.io, enabling persistent message history.
- Developed REST API with Node.js and Express for user authentication via Google OAuth2, and file uploads up to **100** MB.
- Maintained global state management with Zustand for user session persistence and chat history synchronization across browser sessions.

ShoeStack (Next.js, Tailwind, Shadcn, Prisma, Neon, PostgreSQL, Vercel)

- Developed a Full-Stack E-Commerce application using Next.js 15 with App Router and server components.
- Implemented secure authentication and role-based access control using Kinde Auth.
- Managed relational product and user data using Prisma ORM with Neon PostgreSQL database.
- Added admin dashboard to manage products, orders, and inventory with CRUD operations.
- Utilized Upstash Redis for cart state management, product caching, and real-time inventory updates.
- Integrated Stripe for payment processing, handling checkout sessions, webhooks, and order confirmations.
- Deployed using Vercel for seamless CI/CD and global performance.

Retroverse (React, React Native, TypeScript, Tailwind, Shadcn, MongoDB, Prisma)

- Crafted a retro gaming platform with classic games like Connect 4, Tic Tac Toe, Snake, and Asteroids using React and TypeScript.
- Implemented AI opponents using Minimax and Alpha-Beta Pruning algorithms for strategic games like Connect 4 and Tic Tac Toe.
- Monitored player activity and computed metrics like win rates, game duration, and progression tiers.

Fake News Detection (Python, Bootstrap, Flask)

- Built a machine learning model to detect fake news using a dataset of **70640** articles, deployed via Flask.
- Preprocessed text data through tokenization, stop-word removal, and TF-IDF vectorization for feature extraction.
- Evaluated Logistic Regression, SVM, Random Forest, and other algorithms, achieving **94**% accuracy with Logistic Regression.